

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P756772

Luminaire Tested: LD4D95BD010-EU4DR7070959035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8980.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

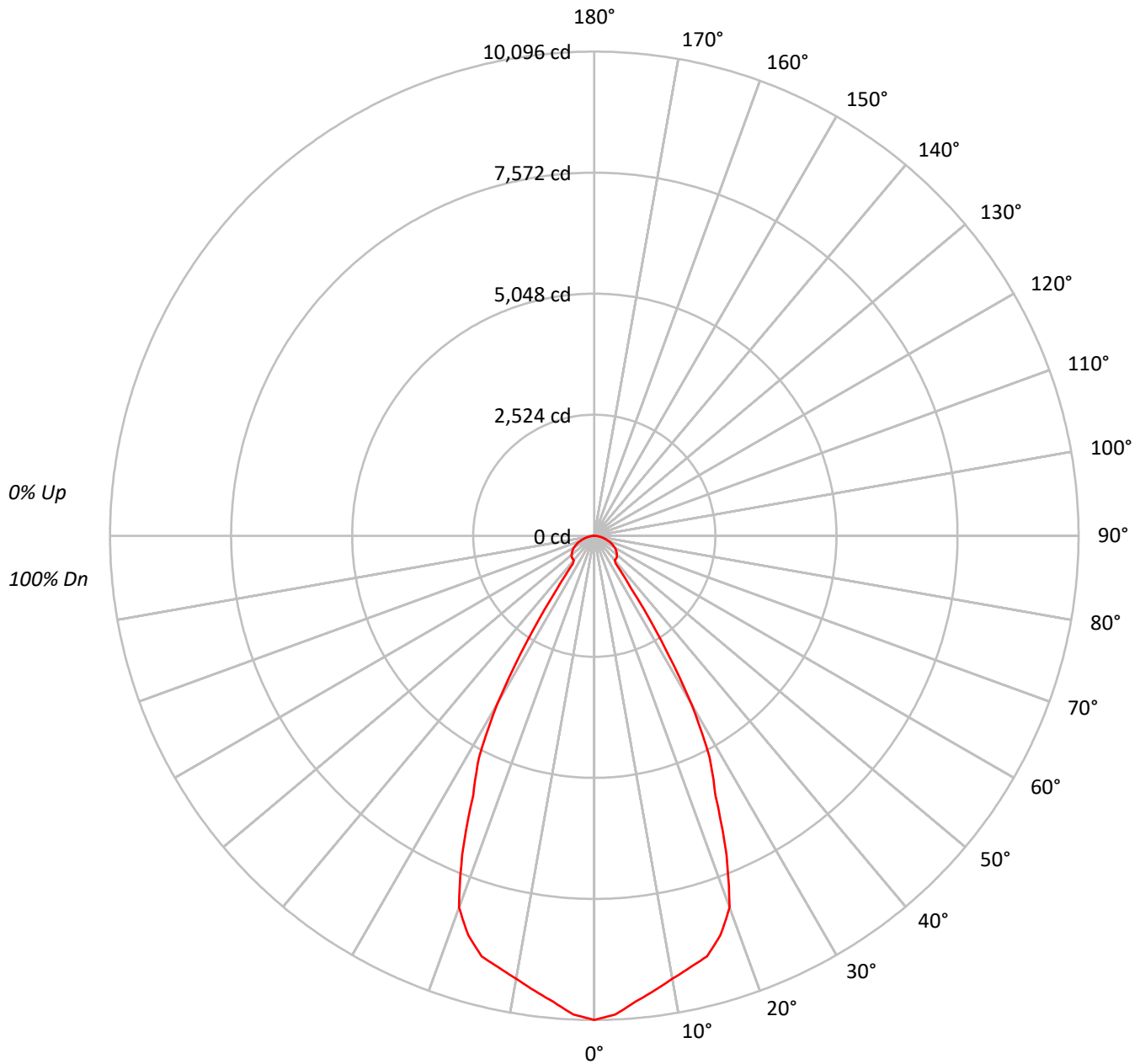


Downlight

TEST NUMBER: P756772

CATALOG NUMBER: LD4D95BD010-EU4DR7070959035-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P756772

CATALOG NUMBER: LD4D95BD010-EU4DR7070959035-4LBDP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1103108
5°	1070327
10°	1040499
15°	1026847
20°	958856
25°	720346
30°	509221
35°	180373
40°	94849
45°	101024
50°	104605
55°	106579
60°	107229
65°	104964
70°	99064
75°	91776
80°	81482
85°	66191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 107268 cd/sqm



TEST NUMBER: P756772

CATALOG NUMBER: LD4D95BD010-EU4DR7070959035-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	920.5	10.3
10°-20°	2524.8	28.1
20°-30°	2780.7	31.0
30°-40°	1062.4	11.8
40°-50°	501.7	5.6
50°-60°	498.7	5.6
60°-70°	399.3	4.4
70°-80°	229.5	2.6
80°-90°	62.4	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6226.0	69.3
0°-40°	7288.4	81.2
0°-60°	8288.8	92.3
0°-90°	8980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8980.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10096	
5°	9759	920
15°	9078	2525
25°	5975	2781
35°	1352	1062
45°	654	502
55°	560	499
65°	406	399
75°	217	229
85°	53	62
90°	0	



TEST NUMBER: P756772

CATALOG NUMBER: LD4D95BD010-EU4DR7070959035-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	10096.1
2.5°	9990.6
5°	9758.8
7.5°	9565.4
10°	9378.4
12.5°	9220.1
15°	9077.9
17.5°	8734.2
20°	8246.6
22.5°	7194.8
25°	5975.2
27.5°	5201.5
30°	4036.2
32.5°	2607.1
35°	1352.3
37.5°	730.5
40°	665.0
42.5°	660.2
45°	653.8
47.5°	639.4
50°	615.4
52.5°	588.2
55°	559.5
57.5°	527.5
60°	490.7
62.5°	449.2
65°	406.0
67.5°	358.1
70°	310.1
72.5°	262.2
75°	217.4
77.5°	171.0
80°	129.5
82.5°	91.1
85°	52.8
87.5°	20.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)